

*Amendment and Response Under 37 C.F.R. §1.116 - Expedited Examining Procedure*

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*Serial No.: 09/625,751*

*Confirmation No.: 8051*

*Filed: July 26, 2000*

*For: CATHETER FOR TARGET SPECIFIC DRUG DELIVERY*

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**Amendments to the Claims**

This listing of claims replaces all prior versions, and listings, of claims in the above-identified application:

1-30. (Canceled)

31. (Previously Presented) A method for delivering a therapeutic drug comprising:  
forming a drug delivery segment having a longitudinal axis, the drug delivery segment having an outside surface and an inside surface,  
forming tubes in the drug delivery segment, each tube having a diameter and a length that extends radially from the inside surface of the drug delivery segment to the outside surface of the drug delivery segment, and where a ratio of the length of the tubes to the diameter of the tubes is about 5-25;  
providing a therapeutic drug to the drug delivery segment for more than 24 hours from an intraparenchymal catheter; and  
distributing the therapeutic drug in approximately equal amounts through the tubes defined in the drug delivery segment.

32. (Previously Presented) A method for delivering a therapeutic drug comprising:  
forming a drug delivery segment having a longitudinal axis, the drug delivery segment having an outside surface and an inside surface,  
forming tubes in the drug delivery segment, each tube having a diameter and a length that extends radially from the inside surface of the drug delivery segment to the outside surface of the drug delivery segment, and where a ratio of the length of the tubes to the diameter of the tubes is about 5-25;  
providing a therapeutic drug to the drug delivery segment for more than 24 hours; and  
distributing the therapeutic drug in approximately equal amounts through the tubes defined in the drug delivery segment to the brain of a patient.

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33. (Previously Presented) A method for delivering a therapeutic drug comprising:  
forming a drug delivery segment having a longitudinal axis, the drug delivery segment having an outside surface and an inside surface,  
forming tubes in the drug delivery segment, each tube having a diameter and a length that extends radially from the inside surface of the drug delivery segment to the outside surface of the drug delivery segment, and where a ratio of the length of the tubes to the diameter of the tubes is about 5-25;  
providing a therapeutic drug to the drug delivery segment for more than 24 hours from an intrathecal catheter; and  
distributing the therapeutic drug in approximately equal amounts through the tubes defined in the drug delivery segment.
34. (Previously Presented) A method for delivering a therapeutic drug comprising:  
forming a drug delivery segment having a longitudinal axis, the drug delivery segment having an outside surface and an inside surface,  
forming tubes in the drug delivery segment, each tube having a diameter and a length that extends radially from the inside surface of the drug delivery segment to the outside surface of the drug delivery segment, and where a ratio of the length of the tubes to the diameter of the tubes is about 5-25;  
providing a therapeutic drug to the drug delivery segment for more than 24 hours from an intracerebral ventricular catheter; and  
distributing the therapeutic drug in approximately equal amounts through the tubes defined in the drug delivery segment.
35. (Previously Presented) A method for delivering a therapeutic drug comprising:  
forming a drug delivery segment having a longitudinal axis, the drug delivery segment having an outside surface and an inside surface,

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forming tubes in the drug delivery segment, each tube having a diameter and a length that extends radially from the inside surface of the drug delivery segment to the outside surface of the drug delivery segment, and where a ratio of the length of the tubes to the diameter of the tubes is about 5-25;

providing a therapeutic drug to the drug delivery segment for more than 24 hours from a catheter; and

distributing the therapeutic drug into a liquid filled space within a patient in approximately equal amounts through the tubes defined in the drug delivery segment.

36. (Previously Presented) A method for delivering a therapeutic drug comprising:  
forming a drug delivery segment having a longitudinal axis, the drug delivery segment having an outside surface and an inside surface,

forming tubes in the drug delivery segment, each tube having a diameter and a length that extends radially from the inside surface of the drug delivery segment to the outside surface of the drug delivery segment, and where a ratio of the length of the tubes to the diameter of the tubes is about 5-25;

providing a therapeutic drug to the drug delivery segment for more than 24 hours from a catheter; and

distributing the therapeutic drug to a tumor within a patient in approximately equal amounts through the tubes defined in the drug delivery segment.

37. (Previously Presented) The method of claim 31 wherein the outside surface of the drug delivery segment is substantially annularly grooveless.

38. (Previously Presented) The method of claim 32 wherein the outside surface of the drug delivery segment is substantially annularly grooveless.

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39. (Previously Presented) The method of claim 33 wherein the outside surface of the drug delivery segment is substantially annularly grooveless.

40. (Previously Presented) The method of claim 34 wherein the outside surface of the drug delivery segment is substantially annularly grooveless.

41. (Previously Presented) The method of claim 35 wherein the outside surface of the drug delivery segment is substantially annularly grooveless.

42. (Previously Presented) The method of claim 36 wherein the outside surface of the drug delivery segment is substantially annularly grooveless.